**SUBSURFACE EXPLORATION AND RECOMMENDATIONS FORM**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bridge MP:** |  | **Subdivision:** |  |
| **State:** |  | **County:** |  |
| **Latitude:** |  | **Longitude:** |  |
| **UPRR MBM:** |  | **Phone:** |  |
| **? Near Station:** |  | **Terminal Station:** |  |
| **? Near Station:** |  | **Terminal Station:** |  |
| **Date Assigned:** |  | **Date Presented:** |  |

**SITE SETUP**

|  |  |
| --- | --- |
| **Description of Existing Structure :** |  |
| **Number of Tracks :** |  |
| **Date of Site Visit :** |  |
| **Low MP Backwall Station:** |  |
| **Benchmark Location Description:** |  |
| **Benchmark Elevation:** |  |

**WATER OBSERVATIONS**

|  |  |
| --- | --- |
| **Channel Flowline Elevation:** |  |
| **Channel Water Surface Elevation:** |  |
| **Boring #1 Groundwater Elevation:** |  |
| **Boring #2 Groundwater Elevation:** |  |
| **Boring #3 Groundwater Elevation:** |  |
| **Boring #4 Groundwater Elevation:** |  |

**GEOTECH CONTACT INFORMATION**

*(Insert Text Here)*

**BORING & SAMPLING METHOD**

(Insert Text Here)

**BORING #1 LOCATION INFORMATION**

|  |  |
| --- | --- |
| **Station:** |  |
| **Top of Rail Elevation:** |  |
| **Boring Ground Surface Elevation:** |  |
| **Lateral Offset from CL Track:** |  |
| **Location Comments:** |  |

**BORING #2 LOCATION INFORMATION**

|  |  |
| --- | --- |
| **Station:** |  |
| **Top of Rail Elevation:** |  |
| **Boring Ground Surface Elevation:** |  |
| **Lateral Offset from CL Track:** |  |
| **Location Comments:** |  |

**BORING #3 LOCATION INFORMATION**

|  |  |
| --- | --- |
| **Station:** |  |
| **Top of Rail Elevation:** |  |
| **Boring Ground Surface Elevation:** |  |
| **Lateral Offset from CL Track:** |  |
| **Location Comments:** |  |

**BORING #4 LOCATION INFORMATION**

|  |  |
| --- | --- |
| **Station:** |  |
| **Top of Rail Elevation:** |  |
| **Boring Ground Surface Elevation:** |  |
| **Lateral Offset from CL Track:** |  |
| **Location Comments:** |  |

**PILE INSTALLATION RECOMMENDATIONS**

|  |  |
| --- | --- |
| **Pile Type:** |  |
| **Pile Load:** |  |
| **Estimated B/Rail to Pile Tip Distance:** |  |
| **Tip Recommendations:** |  |

**Comments:**

(Insert Text Here)

**ROCK SAMPLE TEST SUMMARY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Boring No.** | **Depth (ft)** | **Material Type** | **Moisture %** | **Dry Density** | **Unconfined Compressive Strength (tsf)** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**SPECIAL CONSIDERATIONS**

(Insert Text Here)

**LIMITATIONS OF RECOMMENDATIONS**

(Insert Text Here)

**ATTACHMENTS**

Appendix A – (Vicinity Map)

Appendix B – (Boring Logs & Description Key)

Appendix C – (Test Results)